"First and final"

M. A. R. 57 (Rule 116)
Measurement Book

No. B 354228

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of the work :- Improvements to roads and drains at Ramachandrapura in ward NO-10 (Doddabommasandra), Vidyaranyapura sub division.						
	Estimated COST :- Rs 25.00 Lacks.						
	Job code :- 010-18-000033 Indent NO:- 29464.						
	Head of Account :- P/7711						
	Name of the contractor :- Sri. N. M. Shivakumar, #7, 2nd Block, Tajamahatti, Rajajinagara, Bangalore-560010						
	Work orders number :- BBMP/EE/BTP/NO/126/2018-19. Dt:-19/9/2018.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earth work Excavation by manual means in ordinary soil including an aver lead upto 2 metres and an average lift upto 0.50m, Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly levelled and sides neatly dressed after taking out the dead etc., complete as per specifications and directions given in charge of the work.						
	As per Roem easurement wide Q MB No-35437 Page No-354284 to 354285					266.40 Cum	
	(2) Providing and Laying in position plain cement Concrete of mix 1:4:8 with Ordinary cement @ 180 Kgs with 40mm and down size graded Granite metal Coarse aggregates @ 0.85 Cum and fine aggregates @ 0.57 Cum machine mixed Concrete laid in layers not exceeding 15cms thick, well compacted in foundation and plinth, including Cost of materials, labour, tools & machinery, Curing etc., complete as per specifications and directions given in charge of the work. @ Rs. 185.12					Rs 49316=00	

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No. B

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Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per premeasurement wide page no - 354285 to 354347					34.50 m³	
	(3) providing and laying Cement Concrete using 20mm and down size granite fully (or) ready mixed concrete (RMC) for R.C.C works laid in 15cms thick layers and well compacted, Vibrating, Curing, finishing with necessary cement mortar, form works and Scaffolding etc., complete (exclusive cost of Steel and fabrication with all leads and lifts etc., complete (exclusive cost of Steel and fabrication charges) Ready mixed Cement Concrete M-20 (1:1.5:3) for raft foundation, Column footing, main and secondary Beams etc., complete as per specifications and direction of incharge of the work i		@ Rs. 4450.00			Rs 153525=00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement No
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Drain bottom Concrete } - } - KNV 2nd Cross L/S	1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		~~1 ×~~	~~30 × 0.9 × 0.15~~	~~=~~		~~4.05 m³~~	
	Ck F.C. @ 25/10	1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	11 × 0.9 × 0.15	=		1.49 m³	
		1 ×	27.9 × 0.9 × 0.15	=		3.77 m³	
	KNV 2nd Cross R/S } -	1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	30 × 0.9 × 0.15	=		4.05 m³	
		1 ×	25 × 0.9 × 0.15	=		3.38 m³	
						36.99	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 354230

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	36.99	
1	2	3	4	5	6	7	8
	side wall } - KNV 2nd cls L/s	2 ×	30 × 0.15 × 0.55 =			4.95 m³	
		2 ×	30 × 0.15 × 0.60 =			5.40 m³	
	C/F	2 ×	30 × 0.15 × 0.60 =			5.40 m³	
	2510	2 ×	30 × 0.15 × 0.60 =			5.40 m³	
		2 ×	30 × 0.15 × 0.60 =			1.98 m³	
		2 ×	11 × 0.15 × 0.60 =			5.02 m³	
		2 ×	27.9 × 0.15 × 0.60 =			5.40 m³	
	KNV 2nd cls RLS -	2 ×	30 × 0.15 × 0.60 =			5.40 m³	
		2 ×	30 × 0.15 × 0.60 =			5.40 m³	
		2 ×	30 × 0.15 × 0.65 =			5.85 m³	
						81.79	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks for Measurements
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		2 ×	25 ×	0.15 ×	0.55 =	4.13 m³	
		2 ×	30 ×	0.15 ×	0.30 =	2.70 m³	
		2 ×	30 ×	0.15 ×	0.30 =	2.70 m³	
			Net Quantity		=	91.30 m³	
			Quantity limited to		=	85.65 m³	

@ Rs. 5340.00 Rs. 457371

(4) Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and tack welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (deformation, hooks, waste shall not be measured and paid) Cost of materials, labour, storing, machinery, etc., complete as per specifications and direction of

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Vidyaranyapura Sub Division
BBMP, Bangalore - 97

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 354231

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	incharge of the work.					5.14 Tons	326215
As	per premeasurement Nidi 7						
MB	No-35439 page No-354286				@ Rs. 63465.90	Rs 326751=00	
	providing and removing centering, shuttering, strutting, propping etc., and removal of formwork for vertical surface such as walls at any thickness, including attached plasters, breastwork, plinth and string courses cost of all materials, the labour etc., complete as per specifications and direction of incharge the work. KNV 2nd floor L/Sh-						
		4	30	0.60	= 72.00 m²		
		4	30	0.6	= 72.00 m²		
		4	30	0.6	= 72.00 m²		
		4	30	0.6	= 72.00 m²		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	KNV 2nd Crom R/S }-	4 ×	11 ×	0.6 =	26.40	m2	
		4 ×	27.9 ×	0.6 =	66.96	m2	
		4 ×	30 ×	0.60 =	72.00	m2	
		4 ×	30 ×	0.60 =	72.00	m2	
		4 ×	30 ×	0.60 =	72.00	m2	
	Reinforcing Layout 1st Crom }-	4 ×	25 ×	0.60 =	60.00	m2	
		4 ×	30 ×	0.30 =	36.00	m2	
		4 ×	30 ×	0.30 =	36.00	m2	
				Net Quality =	729.36	m2	
	Quality limited to			=	728.00	m2	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 354232

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Net Surface Provided to Corridor				=	728.00 m²	
				@ ₹ 306.16		₹ 222884=00	
(6)	Providing granite slabs of selected finishing roughly dressed and fixed in Cement Mortar (1:6) including fixing curing etc., complete 7.5 cm thick etc., complete as per specifications and direction and incharge of the work.						
	KNV 2nd (Room L/S) -	1 × 30	× 0.90	=	27.00 m²		
		1 × 30	× 0.90	=	27.00 m²		
	C&FC.	1 × 30	× 0.9	=	27.00 m²		
	25/10	1 × 30	× 0.9	=	27.00 m²		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	KNV 2nd cross RHS } –	1 ×	11 × 0.9 =			9.90 m²	
		1 ×	27.9 × 0.9 =			25.11 m²	
		1 ×	30 × 0.9 =			27.00 m²	
		1 ×	30 × 0.9 =			27.00 m²	
		1 ×	30 × 0.9 =			27.00 m²	
		1 ×	25 × 0.90 =			22.50 m²	
	Kempanna layout 1st Cls RHS } –	1 ×	32 × 0.90 =			28.80 m²	
	Kempanna layout 1st Cls LHS } –	1 ×	25 × 0.90 =			22.50 m²	
	Kempanna L/O 1st main LHS } –	1 ×	30 × 0.90 =			27.00 m²	
		1 ×	27.2 × 0.9 =			24.48 m²	
		1 ×	30 × 0.9 =			27.00 m²	
		1 ×	30 × 0.9 =			27.00 m²	

A = 3.29

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 354233

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6		8
					40	3.29.	
		1	× 12.20	× 0.9	= 10.98 m²		
					= 414.27 m²		
					= 410.40 m²		
	(7) KSRB 5-9: providing (chamfered edges of slab 2.5 cms wide as per Specifications (only chamfered length shall be recorded)			@ Rs. 656.92		Rs 269559=00	
			767 × 3.00		= 2301.50 m		
		i.e	@ Rs. limited to		= 2280.00 m		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Remarks
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	i.e Quantity limited to					2280.00 Rft	
				@ Rs	36.49	Rs 83194	
	(8) KSR 5-8.2: providing two line dressing to granite stone masonry as per specifications. Measurement and quantity are same as that of item No - (6)					410.40 sqm	
				@ Rs	95.41	Rs 39045	
	(9) providing and laying in position Plain cement Concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, mixed Concrete laid in layers not exceeding 15cms thick, well compacted, in foundations, plinth, and sills, including curing						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

354234

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	all materials, labour, tools & machinery, carriage etc., complete as per specifications and direction of in charge of the work.						
	KNV 2nd (road Cls) -	1	× 30	× 0.30	× 0.10 =	0.90 m³	
		1	× 30	× 0.30	× 0.10 =	0.90 m³	
		1	× 30	× 0.3	× 0.10 =	0.90 m³	
		1	× 30	× 0.3	× 0.10 =	0.90 m³	
		1	× 30	× 0.3	× 0.10 =	0.33 m³	
		1	× 11	× 0.3	× 0.10 =	0.84 m³	
		1	× 27.9	× 0.3	× 0.10 =		
	KNV 2nd Cls RLS -	1	× 30	× 0.3	× 0.10 =	0.90 m³	

5-67.

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Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement No.
		Number	Length	Breadth	Depth	5.67	
1	2	3	4	5	6	7	
		1	30	0.3	0.10 =	0.90 m³	
		1	30	0.3	0.10 =	0.90 m³	
		1	25	0.3	0.10 =	0.75 m³	
	Kempanna layout (1st cls RLS)	1	32	0.3	0.10 =	0.96 m³	
	Kempanna layout (1st cls LLS)	1	25	0.3	0.10 =	0.75 m³	
	Kempanna L/o 1st main LLS	1	30	0.3	0.10 =	0.90 m³	
		1	27.2	0.3	0.10 =	0.82 m³	
		1	30	0.3	0.10 =	0.90 m³	
		1	30	0.3	0.10 =	0.90 m³	
		1	30	0.3	0.10 =	0.90 m³	
		1	12.20	0.3	0.10 =	0.37 m³	
	Kempanna layout 1st cls RLS	1	32	0.6	0.10 =	1.92 m³	

15=74.

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354235

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Kompanna layout 1st cls L/s }	1	25	0.6	0.10 = 1.50 m3		
	Kompanna layout 1st main L/s }	1	30	0.6	0.10 = 1.80 m3		
		1	27.2	0.6	0.10 = 1.63 m3		
		1	30	0.6	0.10 = 1.80 m3		
		1	30	0.6	0.10 = 1.80 m3		
		1	12.20	0.6	0.10 = 0.73 m3		
		1	30	0.6	0.10 = 1.80 m3		
		1	12	0.6	0.10 = 0.72 m3		
					Net Qty =	27.51 m3	

15.74

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Katiki limited			=	27.45	m^3	
		Bags	@Rs 5696.89			Rs 156381	
			Total	—		Rs 2108	
						M 2108	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

23/10/2018

Engineer
Sub Division

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No. B 354236

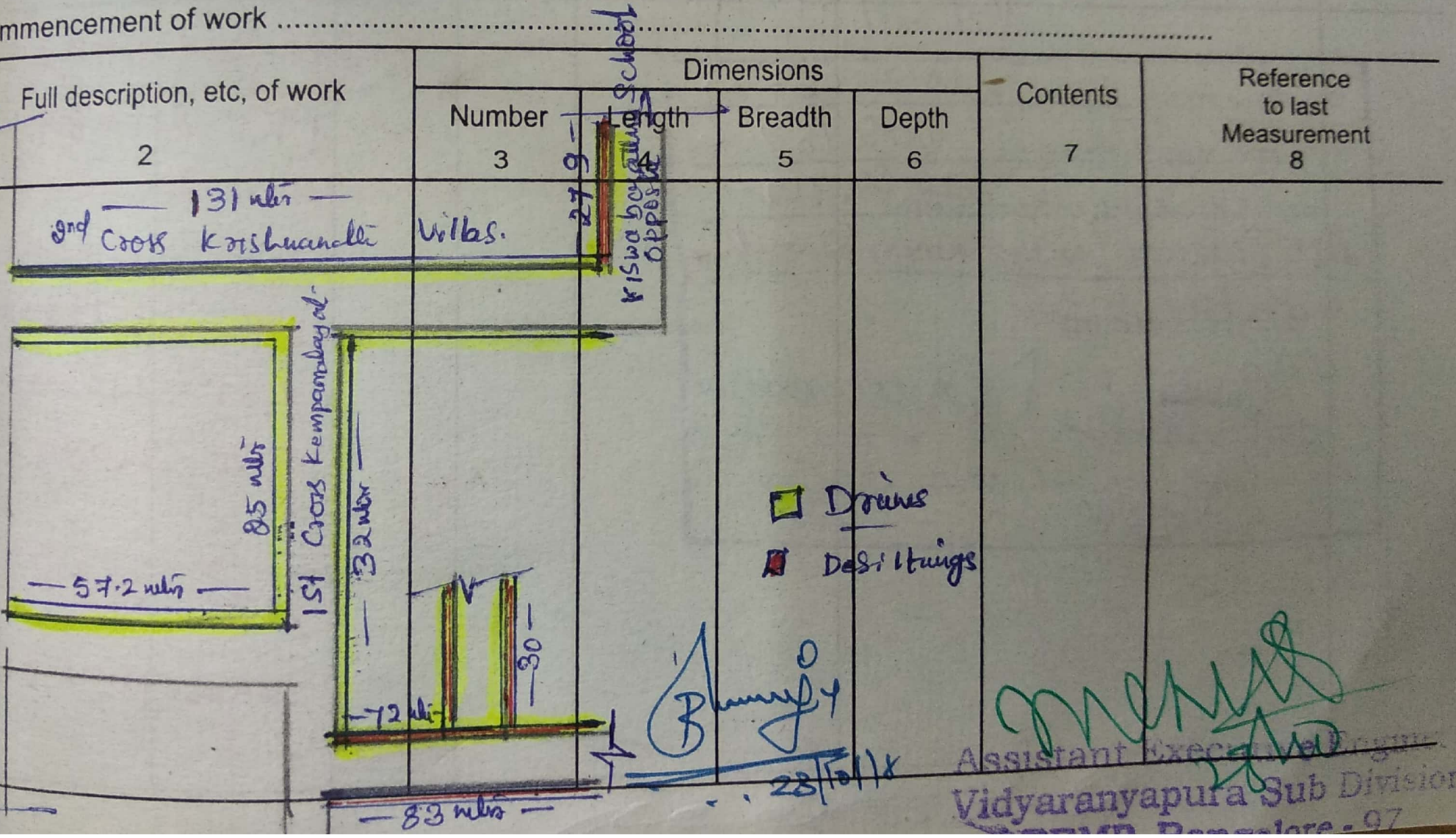
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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BBMP, Bangalore-97

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	BR, 17/1/26 (Co 18					Total-2108906	
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2108906-00					IT- 21089-	
	ಗ[illegible] ಪ್ರಮಾಣ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 108187-00					CM. 21089-	
	ಪ[illegible]ಮಾಣಕ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 2000719-					CBF- 21089-	
	Rs: Twenty Lakh Seven hundred					LR-21722-	
	Nineteen only.					CGST- 21089-	
	ಮುಟ್ಟಾಂತರ ನೀಡಲಾಗಿದೆ.					SGST- 21089-	
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 25/10					Ded. 108187-	
	ಪ[illegible] 25/10					Closing 2000719-	

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